

Cont.  
a  
0.5) x 10<sup>-6</sup>/K, preferably (0 ± 15) x 10<sup>-6</sup>/K, after transformation into the glass ceramic with high quartz mixed crystals as the predominant crystal phase of --

REMARKS

This Preliminary Amendment is being submitted in order to eliminate multiple dependencies in the claims and to delete extra claims. Specifically, Claims 12-15 have been cancelled and Claims 4-11 have been amended. Care has been taken to avoid the introduction of new matter. None of the changes submitted in this Preliminary Amendment are to be construed as having any effect on the scope of the subject matter being claimed, as they are merely being presented for clarification purposes, as stated above. All of the changes made in this Preliminary Amendment are made without prejudice, so that the matter deleted may be reintroduced as necessary for prosecution of the application.

Summary and Conclusion:

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "MARKED-UP VERSION OF THE CLAIMS".

It is submitted that Applicants have provided a new and unique FLAT FLOAT GLASS. It is submitted that the claims, as amended, as now presented, are fully distinguishable over the prior art. Therefore, it is requested that a Notice of Allowance

Docket No.: NHL-FMW-02A US(SCT)  
Serial No.: 09/829,409

be issued at an early date.

If mailed, I, the person signing this certification below, hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated in the certification of mailing on the transmittal letter sent herewith, or if facsimile transmitted, I, the person signing this certification below, hereby certify that this paper is being facsimile transmitted to the United States Patent and Trademark Office on the date indicated in the certification of facsimile transmission on the transmittal letter which is being facsimile transmitted herewith.

Respectfully submitted,



Nils H. Ljungman, Esq.  
Attorney for Applicant(s)  
Reg. No. 25,997  
Nils H. Ljungman & Associates  
P.O. Box 130  
Greensburg, PA 15601-0130  
Telephone: (724) 836-2305  
Facsimile: (724) 836-2313

MARKED-UP VERSION OF THE CLAIMS

In the claims:

Claims 12-15 have been canceled.

Claims 4-11 have been amended as follows:

-- 4. (Amended) The flat glass as claimed in [one of the Claims] Claim 1 [to 3], characterized by the fact that the sum  $\text{Li}_2\text{O} + \text{Na}_2\text{O} > 3.5 \text{ wt.}\%$  to produce chemically prestressed float glass. --

-- 5. (Amended) Flat glass as claimed in [one of the Claims] Claim 1 [to 4], characterized by the fact that to prevent the formation of an undesirable crystal band near the surface during floating, the following expression (in wt.%) is valid:  $3.2 \times \text{ZnO} + \text{TiO}_2 \leq 4.3$ . --

-- 6. (Amended) Flat glass as claimed in [one of the Claims] Claim 1 [to 5], characterized by concentrations of less than 200 ppm  $\text{Fe}_2\text{O}_3$  and less than 2.5 wt.%  $\text{TiO}_2$  to counteract undesired coloration in the vitrified state and to achieve a light transmittances at a thickness of 4 mm of  $> 89\%$  and preferably  $> 90\%$ . --

-- 7. (Amended) Flat glass as claimed in [one of the Claims] Claim 1 [to 6], characterized by the fact that the glass is technically, or industrially, free of ZnO and BaO. --

-- 8. (Amended) Flat glass as claimed in [one of the

Claims] Claim 1 [to 7], characterized by a coefficient of thermal expansion  $\alpha_{20/300}$  between  $3.5$  and  $5.0 \times 10^{-6}/K$ , a transformation temperature  $T_g$  between  $600$  and  $750^\circ C$  and a processing temperature  $V_A$  below  $1350^\circ C$ . --

-- 9. (Amended) Flat glass as claimed in [one of the Claims] Claim 1 [to 8], characterized by the fact that the glass ceramic manufactured by transformation has a transparent, translucent or opaque appearance, and has an additional color when coloring components are added. --

-- 10. (Amended) Flat glass as claimed in [one of the Claims] Claim 1 [to 9], characterized by a coefficient of thermal expansion  $\alpha_{20/700}$  of less than  $1.5 \times 10^{-6}/K$  after transformation into the glass ceramic with keatite mixed crystals as the predominant crystal phase. --

-- 11. (Amended) Flat glass as claimed in [one of the Claims] Claim 1 [to 10], characterized by a coefficient of thermal expansion  $\alpha_{20/700}$  of  $(0 \pm 0.5) \times 10^{-6}/K$ , preferably  $(0 \pm 15) \times 10^{-6}/K$ , after transformation into the glass ceramic with high quartz mixed crystals as the predominant crystal phase of --